Application No.: 10/572,409 Docket No.: 4951-0111PUS1
Art Unit 1624 Page 2 of 10

Reply to Office Action of March 11, 2010

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application.

Listing of Claims:

 (Currently Amended) A method for the preparation of the compound of formula I or a salt thereof:

I

by cyclization of a compound of formula II or a salt thereof:

Ħ

wherein R₁ is a hydroxyl protecting group selected from the group consisting of

Application No.: 10/572,409 Docket No.: 4951-0111PUS1
Art Unit 1624 Page 3 of 10

Reply to Office Action of March 11, 2010

acetyl, benzoyl, pivaloyl, benzyl, 4-methoxybenzyl, allyl, tetrahydropyranyl, silyl, alkyl carbonate, aryl carbonate, aralkyl carbonate, benzyl carbonate, allylsulfonyl, benzylsulfonyl, and toluenesulfonyl, and [[R2]]

 \underline{R}_2 is H or a suitable amino protecting group, e. g. acetyl, pivaloyl or benzyl to produce a compound of formula III or a salt thereof:

Ш

in which R₁ is defined as above,

which on removal of R₁, yields the compound of formula I or a salt thereof.

- (Currently Amended) [[A]] The process according to claim 1, wherein where
 compound of formula I is further reacted to a pharmaceutically acceptable salt thereof.
- (Original) The method of claim 1, wherein the cyclization is carried out using phosphorus oxychloride.

Application No.: 10/572,409 Docket No.: 4951-0111PUS1
Art Unit 1624 Page 4 of 10

Reply to Office Action of March 11, 2010

4. (Currently Amended) The method of claim 1, wherein the compound of formula II or a salt thereof is obtained by coupling of 2-aminothiophenol with a compound of formula IV or a salt thereof, thereof:

IV

wherein LG represents halogen, diazonium, trifluoromethyl, O-p-toluenesulfonyl,
O-trifluoromethanesulfonyl or O-methanesulfonyl, and
reacting the resulting intermediate with at least one reagent providing at least the protective

group R₁, and optionally R₂.

5. (Withdrawn - Currently Amended) The compound of formula [[IV,]] IV:

Application No.: 10/572,409 Docket No.: 4951-0111PUS1
Art Unit 1624 Page 5 of 10

Reply to Office Action of March 11, 2010

wherein LG is I or Br.

 (Withdrawn) [2-(2-amino-phenylsulfanyl)-phenyl-{4(2-(2-hydroxyethoxy) ethyl] piperazin-1-yl} methanone.

7. (Withdrawn - Currently Amended) The compound of the following formula:

wherein R₁ and R₂ are defined as in claim 1. wherein R₁ is a hydroxyl protecting group selected from the group consisting of acetyl, benzoyl, pivaloyl, benzyl, 4-methoxybenzyl, allyl, tetrahydropyranyl, silyl, alkyl carbonate, aryl carbonate, aralkyl

Application No.: 10/572,409 Docket No.: 4951-0111PUS1
Art Unit 1624 Page 6 of 10

Reply to Office Action of March 11, 2010

 $\underline{carbonate,\,benzyl\,carbonate,\,allylsulfonyl,\,benzylsulfonyl,\,and\,toluenesulfonyl,\,and}$

R₂ is H or a suitable amino protecting group.

8. (Withdrawn) The compound of claim 7, wherein R₁ and R₂ are both acetyl.

(Withdrawn) The compound of claim 7, wherein R₁ is acetyl and R₂ is H.

(Withdrawn) (4-[2-(2-acetyloxyethoxy)ethyl]-1-piperazinyl] dibenzo [b, f]-1, 4-thiazepine.

11. (New) The process of claim 1, wherein R₂ is the suitable amino protecting group selected from the group consisting of acetyl, pivaloyl and benzyl.

12. (New) The compound of claim 7, wherein R₂ is the suitable amino protecting group selected from the group consisting of acetyl, pivaloyl and benzyl.